

# MONTANA

## Science and Engineering Profile

	Montana	U.S.	Rank		Montana	U.S.	Rank
Doctoral scientists, 1993	1,581	430,332	44	Total R&D performance, 1993 (millions)	\$85	\$161,427	49
Doctoral engineers, 1993	111	81,293	48	Industry R&D, 1993 (millions)	\$14	\$117,622	49
S&E doctorates awarded, 1993	46	25,409	46	Academic R&D, 1993 (millions)	\$48	\$19,489	48
of which, in life sciences	46%	24%		of which, in life sciences	67%	55%	
in physical sciences	33%	15%		in engineering	9%	16%	
in engineering	11%	22%		in physical sciences	9%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	32	34,394	48	expenditures, 1993 (millions)	\$377	\$163,994	48
S&E graduate students, 1993				Number of SBIR awards, 1990-93	22	13,995	41
in doctorate-granting institutions	1,276	438,128	44	Patents issued to state residents, 1994	84	56,039	45
Population, 1994 (000s)	856	260,341	44	Gross state product, 1992 (billions)	\$15.2	\$5,994.1	47
Civilian labor force, 1994 (000s)	437	131,013	44	of which, agriculture	6%	2%	
Personal income per capita, 1994	\$17,865	\$21,809	42	manufacturing, mining, construction	18%	23%	
Federal spending				transportation, communication, utilities	13%	9%	
Total expenditures 1994 (millions)	\$4,638	\$1,284,896	45	wholesale and retail trade	16%	16%	
R&D obligations 1993 (millions)	\$69	\$65,394	45	finance, insurance, real estate	17%	18%	
				services	17%	20%	
				government	15%	12%	

Rankings and totals are based on data for the 50 States and D.C.

## Federal Obligations for Research and Development in Montana by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	69,050	27,075	0	22,298	17,163	1,283	1,231	45
<b>Department of Agriculture</b>	13,392	8,789	0	7	4,515	81	0	34
<b>Department of Commerce</b>	0	0	0	0	0	0	0	na
<b>Department of Defense</b>	1,694	508	0	275	911	0	0	50
<b>Department of Energy</b>	22,298	380	0	21,621	147	0	150	24
<b>Dept. of Health &amp; Human Services</b>	15,808	10,854	0	0	3,562	1,202	190	43
<b>Department of the Interior</b>	7,747	6,544	0	45	1,038	0	120	27
<b>Department of Transportation</b>	809	0	0	0	38	0	771	45
<b>Environmental Protection Agency</b>	610	0	0	50	560	0	0	36
<b>Nat'l Aeronautics &amp; Space Admin.</b>	1,133	0	0	250	883	0	0	42
<b>National Science Foundation</b>	5,559	0	0	50	5,509	0	0	44
<b>State rank</b>	45	43	na	36	48	47	43	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.